

GRASSES OF UDAIPUR DISTRICT (RAJASTHAN STATE)¹

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During a survey of the district of Udaipur over the last five years, we collected a total of 136 species of grasses. Out of these species 100 are new records for this district and 13 for the State of Rajasthan. The total number of the grass genera occurring in Udaipur district is 64. Of these 37 are panicoid and 27 pooid. The panicoid genera belong mostly to the tribes Andropogoneae and the Paniceae but the pooid genera are distributed among 13 tribes, 10 of which are monogeneric. Most of the Paniceae are hygrophillous. On the contrary, most of the Andropogoneae and Pooideae usually occur in dry places.

INTRODUCTION

The district of Udaipur, having an area of about 17267 sq. km. which is about 5.04 per cent of the total area of Rajasthan lies in the south-west of this state and is situated between 23°49' and 25°28' N and 73°01' and 75°49' E. The Aravalli system of mountains dominates the tract which is characterized by unevenness. The eastern and north-eastern portion of the district is hilly containing long continuous ridges, as well as many detached hills, the whole physiography presenting a tangled wilderness of shallow valleys with an immense network of narrow 'nallas' (drains) and fairly deep gorges. The dominant rocks of the area belong to the Aravalli system, consisting of gneiss and Pre-Cambrian sandstones of the Vindhyan System. Here and there, especially in the Bansi, Dhariyawad and Salumber ranges, one can find isolated patches of Deccan trap. The soils in the plains are medium clayey, grey-brown, yellowish-red to red in colour

In the hilly tracts, the soils are shallow and mostly consist of grit and coarse sand. On the Deccan trap black, clayey soils are prevalent. These also occur on other formations up to some distance around the traps. Alluvial sand occurs in the beds and on the banks of the rivers.

The district is drained by a network of several rivers and their tributaries. The main rivers are Banas, Baiarch, Khari, Jakhm, Som, Sarsi, Jawai, Vakul and Sabarmati. There are several fresh water lakes in the district, prominent among which are Jaisamand, Udaisagar, Rajasamand, Peechola and Fatehsagar. The district has a tropical monsoon continental type of climate. The normal rainfall (1970-1979) is 594.79 mm. Most of the rainfall is received during the months of July, August and some in September and June. Sometimes winter showers, locally known as 'Mavata' are received during January and February. January is the coldest month when the average maximum temperature is only 27.5°C and the average minimum 3.1°C. The average maximum temperature during the month of May is 41.7°C which is the hottest month of the year whereas the average minimum temperature for May is 20.8°C. During the rainy season the average

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maximum temperature comes down to 36.1°C in July which further decreases to 34.0°C in August.

The flora of the different parts of the state of Rajasthan has been studied by a number of workers. A perusal of this literature reveals that the work on the systematics of grasses is meagre and sketchy. Only Ramchandran (1950), Gandhi *et al.* (1961), Prakash and Nanda (1961) and Kanodia and Rao (1965, 1966) have dealt exclusively with the grasses. Jain (1972) recorded the occurrence of *Arthraxon meeboldii* from Mount Abu. Recently, Bhandari (1978) described 90 species of grasses under 52 genera from the Thar desert. Sharma and Tiagi (1979) described 91 species under 53 genera in their Flora of North-East Rajasthan.

So far no systematic attempt has been made to study the grasses of Udaipur district which on account of its salubrious climate, floristically is perhaps the richest district of the state. The present work is an outcome of the geobotanical survey of the vegetation of the district of Udaipur. Collections were made during the period 1975 to 1980 in all the seasons of the year and data on phenology recorded. A set of these specimens have been deposited in the herbarium of Forest Research Institute, Dehradun and another in the Geobotany herbarium of Department of Botany, School of Basic Sciences and Humanities, University of Udaipur, Udaipur. The list is arranged according to Bor (1960). Nomenclatural changes proposed by Jain and Deshpande (1978) and Shukla and Jain (1978) have also been incorporated in the present work. The tribes of the Panicoideae and Pooideae are arranged in alphabetical order. Within each tribe the genera, within each genus the species, are arranged similarly in alphabetical succession. The number indicates

sheet number for the family in the Geobotany Herbarium of this Department. Species with an asterisk are new records for the State of Rajasthan.

ENUMERATION OF GRASSES OF UDAIPUR DISTRICT

Tribe: ANDROPOGONEAE

1. *Andropogon* Linn.

***Andropogon pumilus* Roxb.**

Common. Fl. & Fr.: October-November.

Locality: Jhamarkotra, GBH 757.

2. *Apluda* Linn.

***Apluda mutica* Linn. var. *aristata* (Linn.) Pilger.**

Common. Fl. & Fr.: August-September.

Locality: University Campus. GBH 953.

3. *Arthraxon* P. Beauv.

***Arthraxon lancifolius* (Trin.) Hochst.**

Common grass on old walls of houses and forts.

Fl. & Fr.: August-October. Locality: Kumbhalgarh fort. GBH 314.

***Arthraxon meeboldii* Stapf**

Rare. Fl. & Fr.: September-October. Locality: Baroi hill (Zawar Mines). GBH 743.

***Arthraxon prionodes* (Steud.) Dandy**

Common. Fl. & Fr.: August-September. Locality: University Campus. GBH 124.

4. *Bothriochloa* O. Ktze.

***Bothriochloa pertusa* (Linn.) A. Camus**

Common. Fl. & Fr.: August-October. Locality: M. B. College Campus. GBH 366.

5. *Chrysopogon* Trin.

Chrysopogon fulvus (Spreng.) Chiov.

Common on stony soils with little water retaining capacity. Fl. & Fr. : September-November. Locality : University Campus. GBH 903.

6. *Cymbopogon* Spreng.

Cymbopogon jwarancusa (Jones) Schult

Common. Fl. & Fr. : September-November.

Locality : University Campus. GBH 1059.

Cymbopogon martinii (Roxb.) Wats.

Common. Fl. & Fr. : September-November.

Locality : University Campus. GBH 190.

Cymbopogon parkeri Stapf

Common. Fl. & Fr. : September-November.

Locality : Matoon Mines. GBH 252.

7. *Dichanthium* Willm.

Dichanthium annulatum (Forssk.) Stapf

Common. Fl. & Fr. : August-October. Locality: M. B. College Campus. GBH 231.

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Dichanthium aristatum (Poir.) C. E. Hubb.

Not common. Fl. & Fr. : August-September.

Locality : University Campus. GBH 219.

***Dichanthium filiculme** (Hook.f.) Jain et Deshpande.

Rare. Fl. & Fr. : August-September. Locality : Hiran Magri, GBH 942.

Locality : Hiran Magri, GBH 942.

***Dichanthium glabrum** (Roxb.) Jain et Deshpande.

Rare. Fl. & Fr. : August-October. Locality :

University Campus. GBH 634.

Dichanthium huegelii (Hack.) Jain et Deshpande.

Common. Fl. & Fr. : August-September.

Locality: Balaria hill (Zawar Mines). GBH 1040.

8. *Elyonurus* Humb. et Bonpl. ex Wild.

Elyonurus royleanus Nees ex A. Rich.

Common on open rocks. Fl. & Fr. : September-November.

Locality : Jhamarkotra. GBH 286.

9. *Eremopogon* (Hack.) Stapf

Eremopogon foveolatus (Del.) Stapf

Common. Fl. & Fr. : August-October. Locality :

University Campus. GBH 156.

10. *Hackelochloa* O. Ktze.

Hackelochloa granularis (Linn.) O. Ktze.

Common. Fl. & Fr. : September-November.

Locality : University Campus. GBH 487.

11. *Hemarthria* R. Br.

***Hemarthria altissima** (Poir.) Stapf et C. E. Hubb.

Rare. Fl. & Fr. : August-September. Locality : Fatehsagar, GBH 776.

Hemarthria compressa (Linn.) R.Br.

Common grass restricted to marshy places.

Fl. & Fr. : August-September. Locality : Fatehsagar. GBH 41.

12. *Heteropogon* Pers.

Heteropogon contortus (Linn.) P. Beauv.

Common. Fl. & Fr. : September-November.

Locality : University Campus. GBH 26.

13. *Imperata* Cyr.

Imperata cylindrica (Linn.) P. Beauv.

Common grass restricted to marshy places.

Fl. & Fr.: August-October. Locality: Gulab Baugh, GBH 481.

14. *Ischaemum* Linn.

Ischaemum laxum R.Br.

Common. Fl. & Fr. : August-October. Locality : University Campus. GBH 464.

Ischaemum rugosum Salisb.

Common in wet marshy places especially in rice fields. Fl. & Fr. : September-October. Locality : Gorana Dam. GBH 966.

15. *Iseilema* Anderss

Iseilema laxum Hack.

Common. Fl. & Fr. : August-September. Locality : Gorana Dam. GBH 934.

Iseilema prostratum (Linn.) Anderss

Common near stagnant water. Fl. & Fr. : September-October. Locality : Gorana Dam. GBH 598.

16. *Rottboellia* Linn.f.

Rottboellia exaltata Linn.f.

Common grass with stiff hairs on the leaves and sheaths. Fl. & Fr.: September-October. Locality: Balaria Hill (Zawar Mines). GBH 328.

17. *Saccharum* Linn.

Saccharum officinarum Linn.

Common. Fl. & Fr. : February-March. Locality : Agriculture College Campus. GBH 1035.

Saccharum spontaneum Linn.

Not common. Fl. & Fr. : October-February. Locality : Kewara-ke-nal. GBH 768.

18. *Sorghum* Moench

Sorghum conspicuum Snowden

Common. Fl. & Fr. : September-October. Locality : University Campus. GBH 993.

***Sorghum deccanense** Stapf

Not common. Fl. & Fr. : September-October. Locality : Railmagra. GBH 710.

Sorghum halepense (Linn.) Pers

Common. Fl. & Fr. : September-October. Locality : University Campus. GBH 706.

Sorghum miliaceum (Roxb.) Snowden.

Common. Fl. & Fr. : September-October. Locality : University Compus. GBH 709.

Sorghum vulgare Pers

Common. Fl. & Fr. : September-October. Locality : University Campus. GBH 989.

19. *Themeda* Forssk.

Themeda quadrivalvis (Linn.) O. Ktze.

Common. Fl. & Fr. : September-October. Locality : University Campus. GBH 338.

20. *Vetiveria* Lem. Lisanc.

Vetiveria zizanioides (Linn.) Nash

Common on moist areas in thick tufts. Fl. & Fr. : November-January. Locality : Kailashpuri. GBH 849.

Tribe: MAYDEAE

21. *Coix* Linn.

Coix lacryma-jobi Linn.

Rare in wet places along streams. Fl. & Fr.: September-October. Locality: Gorana Dam. GBH 978.

22. *Zea* Linn.

Zea mays Linn.

Common. Fl. & Fr. September-October. Locality : University Campus. GBH 439.

Tribe: PANICEAE

23. *Alloteropsis* J. S. Presl

Alloteropsis cimicina (Linn.) Stapf

Common. Fl. & Fr. : August-September. Locality : Balaria Hill (Zawar Mines). GBH 656.

24. *Brachiaria* Griseb.

Brachiaria eruciformis (J.E.Sm.) Griseb.

Common. Fl. & Fr. : September-November. Locality : Vallabh nagar. GBH 577.

Brachiaria ramosa (Linn.) Stapf

Common. Fl. & Fr. : August-September.

Locality : M. B. College Campus. GBH 1045.

Brachiaria reptans (Linn.) Gard. et C. E. Hubb.

Common. Fl. & Fr. : July-September. Locality : M. B. College Campus. GBH 691.

Pseudobrachiaria deflexa (Schum.) Lauenert.

Common. Fl. & Fr. : August-September. Locality : Gorana Dam. GBH 1028.

25. *Cenchrus* Linn.

Cenchrus ciliaris Linn.

Common. Fl. & Fr. : August-October. Locality : M. B. College Campus. GBH 606.

Cenchrus setigerus Vahl

Common. Fl. & Fr. : October-November. Locality : M. B. College Campus. GBH 607.

26. *Digitaria* Heist. ex Fabricius

Digitaria ciliaris (Retz.) Koel.

Common. Fl. & Fr. : August-October. Locality : M. B. College Campus. GBH 765.

***Digitaria bicornis** (Lamk.) Roem.

Common. Fl. & Fr. : August-September. Locality : Gulab Bagh. GBH 772.

Digitaria adscendens (Roem. et Schult.) Veldk.

Common. Fl. & Fr. : August-September. Locality : University Campus. GBH 43.

Digitaria setigera Roth

Rare. Fl. & Fr. : August-September. Locality : Gulab Bagh. GBH 246.

Digitaria stricta Roth

Common. Fl. & Fr. : August-September. Locality : University Campus. GBH 44.

27. *Echinochloa* P. Beauv.

Echinochloa colonum (Linn.) Link.

Common. Fl. & Fr. : August-October. Locality : M. B. College Campus. GBH 1003.

Echinochloa crusgalli (Linn.) J. Beauv. var. **crusgalli**

Rare emergent grass. Fl. & Fr. : August-September. Locality : Fatehsagar. GBH 502.

Echinochloa crusgalli (Linn.) P. Beauv. var. **submutica** Neilr.

Common. Fl. & Fr. : August-September. Locality : Zawar Mines. GBH 494.

Echinochloa stagnina (Retz.) P. Beauv.

Common. Fl. & Fr. : August-September. Locality : Zawar Mines. GBH 432.

28. *Eriochloa* Kunth

Eriochloa procera (Retz.) C. E. Hubb.

Common along river banks. Fl. & Fr. : September-October. Locality : Tidi river. GBH 676.

29. *Oplismenus* P. Beauv.

Oplismenus burmannii (Retz.) P. Beauv.

Common in shady places. Fl. & Fr. : August-September. Locality : Kumbhalgarh. GBH 568.

30. *Panicum* Linn.

***Panicum cambogiense** Balansa

Rare. Fl. & Fr. : September-October. Locality : Hiran Magri. GBH 854.

Panicum maximum Jacq.

Not common. Fl. & Fr. : August-September. Locality : Gorana Dam. GBH 998.

Panicum miliaceum Linn.

Common. Fl. & Fr. : August-September. Locality : Gulab Bagh. GBH 922.

Panicum paludosum Roxb.

Common grass with spongy culms, found on margins of slow flowing streams and puddles. Fl. & Fr. : August-October. Locality : Gorana Dam. GBH 958.

Panicum trypheron Schult.

Common. Fl. & Fr. : August-September.
Locality : Gorana Dam. GBH 739.

31. *Paspalidium* Stapf

Paspalidium flavidum (Retz.) A. Camus

Common in moist places. Fl. & Fr. :
August-October. Locality : M. B. College
Campus. GBH 530.

Paspalidium geminatum (Forssk.) Stapf

Common along the banks of rivers and
ponds. Fl. & Fr. : July-October. Locality :
Fatehsagar. GBH 292.

32. *Paspalum* Linn.

Paspalum dilatatum Poir.

Common along the margins of sewage
channels. Fl. & Fr. : July-October. Loca-
lity : Ayad nallah. GBH 683.

Paspalum paspaloides (Michx.) Scribn.

Common along the margins of sewage chan-
nels. Fl. & Fr. : July-October. Locality :
Ayad nallah. GBH 1016.

Paspalum vaginatum Swartz.

Common. Fl. & Fr. : July-October. Loca-
lity : Agriculture College Campus. GBH
1011.

33. *Pennisetum* Rich.

Pennisetum hohenackeri Hochst. ex Steud.

Commonly found in clumps on muddy
places. Fl. & Fr. : August-September.
Locality : On way to Bari. GBH 785.

Pennisetum hordeoides (Lamk.) Steud.

A very characteristic common grass grow-
ing along the road side with purplish in-
florescence. Fl. & Fr. : September-October.
Locality : Kevera-ke-Nal. GBH 819.

***Pennisetum orientale** L.C. Rich.

Rare. Fl. & Fr. July-October. Locality :
Jaisamand. GBH 590.

Pennisetum pedicellatum Trin.

A common grass of rocky ground conspicu-
ous from its pink inflorescence. Fl. & Fr. :
September-October. Locality : Kavera-ke-
Nal. GBH 782.

Pennisetum purpureum Schumach.

Rare in this area, found growing in muddy
places. Fl. & Fr. : September-October.
Locality : Behind T.S.V. Hostel. GBH 718.

Pennisetum typhoides (Burm.) Stapf et C. E. Hubb.

Common. Fl. & Fr. : August-October. Loca-
lity : Durga Nursery. GBH 981.

34. *Pseudoraphis* Griff.

Pseudoraphis spinescens (R. Br.) Vickery

Not common, found rooting in shallow
water and floating upon the surface of
inland slow-moving rivers and in lakes.
Fl. & Fr. : August-September. Locality :
Gorana Dam. GBH 970.

35. *Rhynchelytrum* Nees

Rhynchelytrum repens (Willd.) C. E. Hubb.

Common on stony soils with pink feathery
panicles. Fl. & Fr. : August-September.
Locality : University Campus. GBH 714.

36. *Setaria* P. Beauv.

Setaria glauca (Linn.) P. Beauv.

Common. Fl. & Fr. : August-September.
Locality : University Campus. GBH 913.

Setaria italica (Linn.) P. Beauv.

Rare. Fl. & Fr. : September-October. Loca-
lity : Gulab Bagh. GBH 672.

Setaria pallide-fusca (Schumach.) Stapf et C. E. Hubb.

Common. Fl. & Fr. : August-September.
Locality : University Campus. GBH 824.

Setaria intermedia Roem. et Schult.

Common. Fl. & Fr. : August-October. Loca-
lity : M. B. College Campus. GBH 795.

Setaria verticillata (Linn.) P. Beauv.

Common with spikes readily sticking to ones clothing. Fl. & Fr. : August-October.
Locality : M. B. College Campus. GBH 474.

37. *Urochloa* P. Beauv.

Urochloa panicoides P. Beauv. var. *velutina* (Henr.) Bor

Common. Fl. & Fr. : August-September.
Locality : M. B. College Campus. GBH 888.

Group : POOIDEAE

Tribe : AGROSTIDEAE

38. *Polypogon* Desf.

Polypogon monspeliensis (Linn.) Desf.

Common. Fl. & Fr. : January-March. Locality : M. B. College Garden. GBH 539.

Tribe : ARISTIDEAE

39. *Aristida* Linn.

Aristida adscensionis Linn. var. *adscensionis*

Common. Fl. & Fr. : August-October. Locality : University Campus. GBH 382.

Aristida depressa Retz.

Common. Fl. & Fr. : September-October.
Locality : Zawar Mines. GBH 973.

Aristida funiculata Trin. et Rupr. var. *funiculata*

Common. Fl. & Fr. : August-September.
Locality : University Campus. GBH 418.

Aristida funiculata Trin. et Rupr. var. *mallica* (Edgew.) Henr.

Common. Fl. & Fr. : August-September.
Locality : Zawar Mines, GBH 823.

Aristida setacea Retz.

Common. Fl. & Fr. : August-February.
Locality : Zawar Mines. GBH 832.

Tribe : ARUNDINEAE

40. *Arundo* Linn.

Arundo donax Linn.

Not common. Fl. & Fr. : August-October.
Locality : M. B. College Garden. GBH 277.

Tribe : AVENEAE

41. *Avena* Linn.

Avena fatua Linn. var. *glabrata* Peterm.

Common. Fl. & Fr. : January-February.
Locality : Agriculture College Campus. GBH 754.

Avena fatua Linn. var. *pilosa* Syme

Common. Fl. & Fr. : January-February.
Locality : Agriculture College Campus. GBH 948.

Tribe : CHLORIDEAE

42. *Chloris* Sw.

Chloris barbata Sw.

Common. Fl. & Fr. : August-October. Locality : M. B. College Campus. GBH 633.

Chloris dolichostachya Lagasca.

Not common. Fl. & Fr. : August-October.
Locality : Balaria hill (Zawar Mines). GBH 308.

Chloris montana Roxb.

Common. Fl. & Fr. : August-September.
Locality : Zawar Mines. GBH 616.

Chloris quinquesetica Bhide

Not common. Fl. & Fr. : August-October.
Locality : M. B. College Campus. GBH 936.

Chloris virgata Sw.

Common. Fl. & Fr. : August-October. Locality : M. B. College Campus. GBH 625.

43. *Cynodon* Rich

***Cynodon barberi** Rang. et Tad.

Rare. Fl. & Fr. : July-October. Locality : Zawar Mines. GBH 812.

Cynodon dactylon (Linn.) Pers.

Common. Fl. & Fr.: Almost throughout the year. Locality: M. B. College Campus. GBH 791.

44. *Melanocenchris* Nees

Melanocenchris jacquemontii Jaub. et Spach.
Common. Fl. & Fr.: August-October. Locality: University Campus. GBH 509.

***Melanocenchris monoica** (Rottl.) C.E.C. Fisch.

Rare. Fl. & Fr.: August-October. Locality: Balaria hill (Zawar Mines). GBH 828.

45. *Oropetium* Trin.

Oropetium thomaeum (Linn. f.) Trin.

Common. Fl. & Fr.: August-October. Locality: M. B. College Campus. GBH 123.

46. *Schoenefeldia* Kunth

Schoenefeldia gracilis Kunth.

Rare. Fl. & Fr.: August-October. Locality: Air Port. GBH 267.

47. *Tetrapogon* Desf.

Tetrapogon tenellus (Roxb.) Chiov.

Common. Fl. & Fr.: August-October. Locality: Balaria hill (Zawar Mines). GBH 468.

Tribe: ERAGROSTAE

48. *Acrachne* Wight et Arn.

Acrachne racemosa (Heyne) Ohwi

Common. Fl. & Fr.: July-September. Locality: M. B. College Campus. GBH 301.

49. *Dactyloctenium* Willd.

Dactyloctenium aegyptium (Linn.) P. Beauv.

Common. Fl. & Fr.: August-October. Locality: M. B. College Campus. GBH 931.

Dactyloctenium indicum Boiss

Common. Fl. & Fr.: September-November. Locality: M. B. College Campus. GBH 927.

50. *Desmostachia* Stapf

Desmostachia bipinnata (Linn.) Stapf

Common. Fl. & Fr.: October-January. Locality: University Campus. GBH 639.

51. *Dinebra* Jacq.

Dinebra retroflexa (Vahl) Panz.

Common in cultivated fields. Fl. & Fr.: September-October. Locality: Agriculture College Campus. GBH 447.

52. *Eleusine* Gaertn.

Eleusine coracana (Linn.) Gaertn.

Common. Fl. & Fr.: September-November. Locality: On way to Kumbhal garh. GBH 985.

Eleusine indica (Linn.) Gaertn.

Common. Fl. & Fr.: July-October. Locality: M. B. College Campus. GBH 175.

53. *Eragrostiella* Bor

Eragrostiella bifaria (Vahl) Bor

Common on stony soils. Fl.: August-September. Locality: University Campus. GBH 137.

Eragrostiella brachyphylla (Stapf) Bor

Common. Fl. & Fr.: August-September. Locality: University Campus. GBS 899.

54. *Eragrostis* P. Beauv.

Eragrostis cilianensis (All.) Vignolo-Lutati.

Not common. Fl. & Fr.: October-December. Locality: Airport. GBH 734.

Eragrostis ciliaris (Linn.) R. Br. var. *ciliaris*

Common. Fl. & Fr.: October-February. Locality: M. B. College Campus. GBH 1007.

Eragrostis ciliaris (Linn.) R. Br. var. **brachystachya** Boiss.

Common. Fl. & Fr. : October-February.

Locality : On way to Kailashpuri. GBH 405.

Eragrostis diarrhena (Schult.) Steud.

Common. Fl. & Fr. : October-December.

Locality : Vallabh Nagar. GBH 411.

Eragrostis gangetica (Roxb.) Steud.

Common. Fl. & Fr. : October-November.

Locality : On way to Bari. GBH 896.

Eragrostis nigra Nees ex Steud.

Common. Fl. & Fr. : August-September.

Locality : M. B. College Campus. GBH 1022.

Eragrostis minor Host.

Common. Fl. & Fr. : October-November.

Locality : M. B. College Campus. GBH 862.

Eragrostis tenella (Linn.) P. Beauv.

Common. Fl. & Fr. : August-October. Locality : M. B. College Campus. GBH 843.

Eragrostis tremula Hochst. ex Steud.

Common. Fl. & Fr. : August-October. Locality : University Campus. GBH 761.

Eragrostis unioloides (Retz.) Nees ex Steud.

Not common. Fl. & Fr. : November-January. Locality : Gorana Dam. GBH 962.

Eragrostis viscosa (Retz.) Trin.

Common. Fl. & Fr. : August-October. Locality : M. B. College Campus. GBH 860.

55. *Leptochloa* P. Beauv.

***Leptochloa chinensis** (Linn.) Nees

Not common. Fl. & Fr. : August-September.

Locality : M. B. College Campus. GBH 345.

***Leptochloa panicea** (Retz.) Ohwi

Not Common. Fl. & Fr. : August-September.

Locality : M. B. College Campus. GBH 516.

56. *Tripogon* Roem. et Schult.

***Tripogon hookerianus** Bor

Not common. Fl. & Fr. : August-September.

Locality : University Campus. GBH 564.

Tripogon jacquemontii Stapf

Common on rocky soils. Fl. & Fr. : August-September. Locality : Bari. GBH 805.

Tripogon roxburghianus (Steud.) Bhide

Common. Fl. & Fr. : August-October. Locality : University Campus. GBH 671.

Tribe: ORYZEAE

57. *Oryza* Linn.

Oryza sativa Linn.

Common. Fl. & Fr. : September-November.

Locality : Zawar Mines. GBH 560.

Tribe: PEROTIDEAE

58. *Perotis* Ait.

Perotis indica (Linn.) O. Ktze.

Common. Fl. & Fr. : August-October. Locality : On way to Jhameswarji. GBH 548.

59. *Phalaris* Linn.

Phalaris minor Retz.

Common. Fl. & Fr. : January-March. Locality : Agriculture College Campus. GBH 585.

Tribe: SPOROBOLAE

60. *Sporobolus* R. Br.

Sporobolus coromandelianus (Retz.) Kunth.

Common. Fl. & Fr. : August-October. Locality : M. B. College Campus. GBH 368.

Sporobolus diander (Retz.) P. Beauv.

Common. Fl. & Fr. : August-October. Locality : M. B. College Campus. GBH 391.

GRASSES OF UDAIPUR DISTRICT

Sporobolus marginatus Hochst. ex A. Rich.
Common. Fl. & Fr.: October-December.
Locality: Kailashpuri. GBH 375.

Tribe: TRITICEAE

61. *Hordeum* Linn.

Hordeum vulgare Linn.
Common. Fl. & Fr.: December-March.
Locality: Agriculture College Campus,
GBH 1052.

62. *Triticum* Linn.

Triticum aestivum Linn.
Common. Fl. & Fr.: January-March. Loca-
lity: Agriculture College Campus. GBH
446.

Tribe: ZOYSIEAE

63. *Tragus* Hall.

Tragus roxburghii Panigar.

Common. Fl. & Fr.: October-December.
Locality: Ayad. GBH 454.

Tribe: BAMBUSEAE

64. *Bambusa* Schreb.

Bambusa bambos (Linn.) Voss

Common. Fl. & Fr.: Not seen. Locality:
Balaria hill (Zawar Mines). GBH 1054.

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